

CRUISE PLAN
OC4610 - WAVE AND SURF PREDICTION
18, 19 October, 2011

I. Objectives

The cruise objective is to provide students enrolled in OC4610 (Wave and Surf Prediction) with an introduction to wave measuring techniques and to provide them with wave data to process and analyze as part of the laboratory portion of this course. To that end the operational objective is to collect directional wave data in several areas of Monterey Bay with the use of a variety of hand-deployed free-floating wave buoys.

II. Itinerary

<u>Date</u>	<u>Time</u>	<u>Activity</u>
17 Oct.	1300-1600	Load and set-up all gear.
18 Oct.	0830	All group A participants onboard ship.
18 Oct.	0840	Ship departs Moss Landing
18 Oct.	0840-1200	Deploy/recover wave buoys in Monterey Bay.
18 Oct.	1200	Ship returns to Moss Landing
18 Oct.	1230	All group B participants onboard ship.
18 Oct.	1240	Ship departs Moss Landing.
18 Oct.	1240-1600	Deploy/recover wave buoys in Monterey Bay.
19 Oct.	0830	All group A participants onboard ship.
19 Oct.	0840	Ship departs Moss Landing
19 Oct.	0840-1200	Deploy/recover wave buoys in Monterey Bay.
19 Oct.	1200	Ship returns to Moss Landing

III. Scientific Party

18 October:

Prof. Thomas Herbers - Chief Scientist, NPS

Mr. Paul Jessen - Oceanographer, NPS

TBD

19 October:

Prof. Thomas Herbers - Chief Scientist, NPS

Mr. Paul Jessen - Oceanographer, NPS

TBD

IV. Operational Plan

18 October

The ship will depart Moss Landing at approximately 0840 PDT on 18 Oct. 2011 and steam into Monterey Bay where the free-floating wave buoys will be deployed. Exact locations for deployments will be determined on the day of the cruise based on wind and sea conditions. Deployments will last 60-90 minutes.

The ship will return to Moss landing by 1200 PDT. Group A participants will be dropped off and group B participants will board. The ship will depart at approx. 1230 PDT to do additional deployments of the drifting buoys.

19 October

On October 19 ship will depart Moss landing at approximately 0840 PDT with group C participants aboard to conduct additional deployments of the free floating wave buoys. The ship will return to Moss Landing by 1200 PDT.

V. Student Duties

The students will assist as needed with the deployment and recovery of the free-floating wave buoys, taking notes on deployment/recovery times and positions, and keeping track of the buoys while they are in the ocean.